AUTHOR INDEX

Abdullah, A., *see* Rai-el-Balhaa, G. et al.
Belden, E.L. and Peng, H.M. (Laramie, WY, U.S.A.)
Bovine antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157
Bijlsma, I.G.W., Van Houten, M., Frik, J.F. and Ruitenberg, E.J. (Utrecht, The Netherlands)
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Bodin, G., *see* Rai-el-Balhaa, G. et al.
Bourne, F.J., *see* Jones, D.R.E. et al.; Watson, E.D. et al.
Brandon, M.R., *see* Emery, D.L. et al.
Brown, R.S., *see* Peterson, M.E. et al.
Bumstead, J.M. and Payne, L.N. (Huntingdon, Great Britain)
Production of an immune suppressor factor by Marek's disease lymphoblastoid cell lines 47
Cue, D.R., *see* Hurley, W.L. et al.
Damian, R.T., *see* Del Portillo, H.A. et al.
Dawe, D.L., *see* Elfaki, M.G. et al.
Del Portillo, H.A., Schmidt, G.W. and Damian, R.T. (Athens, GA, U.S.A.)
Immunochemical analysis of baboon (*Papio cynocephalus*) IgG subclasses 201
Djilali, S., Parodi, A-L. and Levy, D. (Maisons Alfort, France)
Wheat germ agglutinin (WGA): a bovine T lymphocyte marker 151
Dufty, J.H., *see* Emery, D.L. et al.
Elfaki, M.G., Dawe, D.L., Murthy, K.K., Fletcher, O.J. and Ragland, W.L. (Athens, GA, U.S.A.)
Suppression of humoral immunity in chickens with carrageenans 139
Emery, D.L., Puri, N.K., Dufty, J.H., Gorrell, M.D. and Brandon, M.R. (Parkville, Vic., Australia)
A functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Fletcher, O.J., *see* Elfaki, M.G. et al.
Franklin, R.A., *see* Tompkins, M.B. et al.
Frik, J.F., *see* Bijlsma, I.G.W. et al.
Gaulin, G., *see* Morris, D.D. et al.
Gorrell, M.D., *see* Emery, D.L. et al.
Gruffydd-Jones, T.J., *see* Jones, D.R.E. et al.
Hoffmann, E.M., *see* Houle, J.J. and Hoffmann, E.M.
Houle, J.J. and Hoffmann, E.M. (Gainesville, FL, U.S.A.)
The use of a passive hemolysis system to evaluate the complement activities of six mammalian species 259
Hulst, M.M., *see* Van Zaane, D. and Hulst, M.M.
Hurley, W.L. (Urbana, IL, U.S.A.)
Assays and activities of glycosidic enzymes in bovine peripheral blood leukocytes 85
Hurley, W.L., McKee, T.M. and Cue, D.R. (Urbana, IL, U.S.A.)
Lysosomal enzymes in bovine mammary leukocytes during the nonlactating period 95
Jenkinson, D. McEwan, *see* Lloyd, D.H. et al.
Jones, D.R.E., Stokes, C.R., Gruffydd-Jones, T.J. and Bourne, F.J. (Bristol, Great Britain)
An enzyme-linked antiglobulin test for the detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11

Kelley, K.W., *see* Tompkins, M.B. et al.
Knisley, K.A. and Pearson, L.D. (Fort Collins, CO, U.S.A.)
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37
Ladiges, W.C., *see* Shelton, G.H. and Ladiges, W.C.
Lazary, S., *see* Zanetti, M. et al.
Levy, D., *see* Djilali, S. et al.
Livingston, P., *see* Peterson, M.E. et al.
Lloyd, D.H. (London, Great Britain), Jenkinson, D. McEwan (Edinburgh, Great Britain), Miller, P.N. and Sykes, T.J. (London, Great Britain)
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
McKee, T.M., *see* Hurley, W.L. et al.
Miller, P.N., *see* Lloyd, D.H. et al.
Moriya, O. (Saitama, Japan)
Review of studies on the immunological capacity in the bursectomized chick 77
Morris, D.D., Gaulin, G., Strzemienski, P.J. and Spencer, P. (Kennett Square, PA, U.S.A.)
Assessment of neutrophil migration, phagocytosis and bactericidal capacity in neonatal foals 173
Muller, M., *see* Rai-el-Balhaa, G. et al.
Murthy, K.K., *see* Elfaki, M.G. et al.
Nielsen, J. (Kalvehave, Denmark)
Mitogenic reactivity of mononuclear cells isolated from thymus, spleen and umbilical cord blood of pig foetuses 123
Norris, M.J., Rahaley, R.S. and Whittaker, R.G. (Benalla, Vic., Australia)
Effect of *Eperythrozoon ovis* on the lysis of sheep erythrocytes in the complement fixation test 283
Ogilvie, G.K., *see* Tompkins, M.B. et al.
Parodi, A-L., *see* Djilali, S. et al.
Payne, L.N., *see* Bumstead, J.M. and Payne, L.N.
Pearson, L.D., *see* Knisley, K.A. and Pearson, L.D.
Pellerin, J.L., *see* Rai-el-Balhaa, G. et al.
Peng, H.M., *see* Belden, E.L. and Peng, H.M.
Peterson, M.E. (New York, NY, U.S.A.), Livingston, P. and Brown, R.S. (Worcester, MA, U.S.A.)
Lack of circulating thyroid stimulating immunoglobulins in cats with hyperthyroidism ... 277
Puri, N.K., *see* Emery, D.L. et al.
Ragland, W.L., *see* Elfaki, M.G. et al.
Rahaley, R.S., *see* Norris, M.J. et al.
Rai-el-Balhaa, G., Pellerin, J.L., Bodin, G., Abdullah, A. and Muller, M. (Nantes, France)
Importance of the hour of sampling in the lymphoblastic transformation assay of sheep peripheral blood lymphocytes 67
Ruitenberg, E.J., *see* Bijlsma, I.G.W. et al.
Schmidt, G.W., *see* Del Portillo, H.A. et al.
Schmitt, M., *see* Zanetti, M. et al.
Shelton, G.H. and Ladiges, W.C. (Seattle, WA, U.S.A.)
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271

Spencer, P., *see* Morris, D.D. et al.
Stokes, C.R., *see* Jones, D.R.E. et al.; Watson, E.D. et al.
Strzemienski, P.J., *see* Morris, D.D. et al.
Sykes, T.J., *see* Lloyd, D.H. et al.
Tompkins, M.B., Ogilvie, G.K., Franklin, R.A., Kelley, K.W. and Tompkins, W.A. (Urbana, IL, U.S.A.)
Induction of IL-2 and lymphokine activated killer cells in the cat 1
Tompkins, W.A., *see* Tompkins, M.B. et al.
Van Houten, M., *see* Bijlsma, I.G.W. et al.
Van Zaane, D. and Hulst, M.M. (Lelystad, The Netherlands)
Monoclonal antibodies against porcine immunoglobulin isotypes 23
Watson, E.D., Stokes, C.R. and Bourne, F.J. (Bristol, Great Britain)
Cellular and humoral defence mechanisms in mares susceptible and resistant to persistent endometritis 107
Whittaker, R.G., *see* Norris, M.J. et al.
Zanetti, M., Schmitt, M. and Lazary, S. (Berne, Switzerland)
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185

SUBJECT INDEX

Agglutinins
Wheat germ agglutinin (WGA): a bovine T lymphocyte marker 151
Anaemia
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11
Eperythrozoon ovis, effect on lysis of sheep erythrocytes in complement fixation test 283
Antibodies
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11
Functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Monoclonal antibodies against porcine immunoglobulin isotypes 23
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
Antigens
Functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Baboon (*Papio cynocephalus*)
Immunochemical analysis of IgG subclasses 201
Bacteria
Assessment of neutrophil migration, phagocytosis and bactericidal capacity in neonatal foals 173
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
Blood
Assays and activities of glycosidic enzymes in bovine peripheral blood leukocytes 85
Importance of hour of sampling in lymphoblastic transformation assay of sheep peripheral blood lymphocytes 67
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37
Bursa of Fabricius
Immunological capacity in the bursectomized chick 77
Carrageenans
Suppression of humoral immunity in chickens with carrageenans 139
Cat
Induction of IL-2 and lymphokine activated killer cells 1
Lack of circulating thyroid stimulating immunoglobulins in cats with hyperthyroidism ... 277
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271
Cattle
Antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157

Functional and biochemical analysis of class II MHC antigens using monoclonal antibodies 215
Glycosidic enzymes in peripheral blood leukocytes 85
Leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185
Lysosomal enzymes in mammary leukocytes during the nonlactating period 95
Sequential production of specific antibodies in serum and at the skin surface following intradermal vaccination with *Dermatophilus congolensis* 251
Wheat germ agglutinin (WGA): a T lymphocyte marker 151

Chicken
Immune suppressor factor produced by Marek's disease lymphoblastoid cell lines 47
Immunological capacity in the bursectomized chick 77
Suppression of humoral immunity with carrageenans 139

Colostrum
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235

Complement
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11
Use of a passive hemolysis system to evaluate complement activities of six mammalian species 259

Concanavalin A
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37

Cytotoxicity
Bovine antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157

Dermatophilus congolensis
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination 251

Diagnosis
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11
Eperythrozoon ovis, effect on lysis of sheep erythrocytes in complement fixation test 283

Dog
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in autoimmune haemolytic anaemia 11

Endocrinology
Lack of circulating thyroid stimulating immunoglobulins in cats with hyperthyroidism ... 277

Endometritis
Cellular and humoral defence mechanisms in mares susceptible and resistant to persistent endometritis 107

Enzymology
Glycosidic enzymes in bovine peripheral blood leukocytes 85
Lysosomal enzymes in bovine mammary leukocytes during the nonlactating period 95

Eperythrozoon ovis
Effect on lysis of sheep erythrocytes in complement fixation test 283

Erythrocytes
Eperythrozoon ovis, effect on lysis of sheep erythrocytes in complement fixation test 283

Escherichia coli
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185

K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Growth factor
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37
Haemolysis
Passive system, to evaluate complement activities of six mammalian species 259
Horse
Cellular and humoral defence mechanisms in mares susceptible and resistant to persistent endometritis 107
Neutrophil migration, phagocytosis and bactericidal capacity in neonatal foals 173
Hyperthyroidism
Lack of circulating thyroid stimulating immunoglobulins in cats with hyperthyroidism ... 277
Immunochemistry
Immunochemical analysis of baboon (*Papio cynocephalus*) IgG subclasses 201
Immunoglobulins
Enzyme-linked antiglobulin test for detection of erythrocyte-bound antibodies in canine autoimmune haemolytic anaemia 11
Immunochemical analysis of baboon (*Papio cynocephalus*) IgG subclasses 201
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Lack of circulating thyroid stimulating immunoglobulins in cats with hyperthyroidism ... 277
Monoclonal antibodies against porcine immunoglobulin isotypes 23
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
Immunosuppression
Immune suppressor factor produced by Marek's disease lymphoblastoid cell lines 47
Suppression of humoral immunity in chickens with carrageenans 139
Interleukin
Induction of IL-2 and lymphokine activated killer cells in the cat 1
Killer cells
Induction of IL-2 and lymphokine activated killer cells in the cat 1
Leukemia
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271
Leukocytes
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185
Functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Glycosidic enzymes in bovine peripheral blood leukocytes 85
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37
Lymphocytes
Bovine antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157
Functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Importance of hour of sampling in lymphoblastic transformation assay of sheep peripheral blood lymphocytes 67
Wheat germ agglutinin (WGA): a bovine T lymphocyte marker 151

Lymphokine
Induction of IL-2 and lymphokine activated killer cells in the cat 1
Mammary gland
Lysosomal enzymes in bovine mammary leukocytes during the nonlactating period 95
Marek's disease
Production of an immune suppressor factor by Marek's disease lymphoblastoid cell lines 47
Milk
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Mitogenesis
Mitogenic reactivity of mononuclear cells isolated from thymus, spleen and umbilical cord blood of pig foetuses 123
Monoclonal antibodies
Against porcine immunoglobulin isotypes 23
Functional and biochemical analysis of bovine class II MHC antigens using monoclonal antibodies 215
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271
Monocytes
Bovine antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157
Mononuclear cells
Mitogenic reactivity of mononuclear cells isolated from thymus, spleen and umbilical cord blood of pig foetuses 123
Mouse
Murine monoclonal antibodies cross-reactive with feline peripheral blood mononuclear cells 271
Mucosal immunity
Monoclonal antibodies against porcine immunoglobulin isotypes 23
Neutrophils
Bovine antibody dependent cell-mediated cytotoxicity (ADCC) effector cells 157
Cellular and humoral defence mechanisms in mares susceptible and resistant to persistent endometritis 107
Neutrophil migration, phagocytosis and bactericidal capacity in neonatal foals 173
Nycthemeral cycle
Importance of hour of sampling in lymphoblastic transformation assay of sheep peripheral blood lymphocytes 67
Phagocytosis
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185
Cellular and humoral defence mechanisms in mares susceptible and resistant to persistent endometritis 107
Neutrophil migration, phagocytosis and bactericidal capacity in neonatal foals 173
Pig
K88 variants K88ab, K88ac and K88ad in oral vaccination of different adhesive phenotypes. Immunological aspects 235
Mitogenic reactivity of mononuclear cells isolated from thymus, spleen and umbilical cord blood of foetuses 123
Monoclonal antibodies against immunoglobulin isotypes 23
Prostaglandins
Production of an immune suppressor factor by Marek's disease lymphoblastoid cell lines 47

Rickettsia
Effect of *Eperythrozoon ovis* on the lysis of sheep erythrocytes in the complement fixation test 283
Sheep
Eperythrozoon ovis, effect on lysis of sheep erythrocytes in complement fixation test 283
Importance of hour of sampling in lymphoblastic transformation assay of sheep peripheral blood lymphocytes 67
Production and assay of ovine T cell growth factor by concanavalin A stimulated peripheral blood leukocytes 37
Skin
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
Staphylococcus aureus
Bovine leukocyte phagocytosis and bacteria killing monitored by intracellular acridine orange fluorescence and extracellular fluorescence quenching 185
Vaccination
K88 variants K88ab, K88ac and K88ad in oral vaccination of different porcine adhesive phenotypes. Immunological aspects 235
Sequential production of specific antibodies in serum and at the skin surface of cattle following intradermal vaccination with *Dermatophilus congolensis* 251
Wheat germ agglutinin
WGA: a bovine T lymphocyte marker 151